

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2057321	"UE" or (user adj equipment) or (((mobile or wireless or portable or user or subscriber or hand\$held or cell or cellular or SIP) near2 (unit or phone or telephone or station or terminal or device or apparatus or equipment)) or pda or (personal near2 assistant) ) or laptop or "PC" or ((desktop or personal) adj computer)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/09/11 07:28
S2	12041346	(first adj network adj element) or "RNC" or ((base near2 station) or (access adj point) or node\$1B or nodeB or "AP" or "BS" or "BTS")	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/09/11 07:30
S3	78455	(serv\$5 adj network) or "CSCF" or (control adj state adj control adj function) or (serv\$5 adj node) or (serv\$5 adj "BS")	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/09/11 07:31
S4	41801	(servi\$7 near2 (error or fail\$6 or degrad\$5 or (out\$2of\$2servic\$5) or incorrect\$5 or crash\$3 or halt\$5 or disconnect\$5 or breakdown or discont\$7 or suspend\$5 or stop\$5 or outage))	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/11 07:36
S5	4613	S1 and S2 and S3 and S4	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/11 07:36
S6	112	S5 and ("CSCF" or (call adj state adj control adj function))	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/11 07:38
S7	1807	S5 and recover\$5	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/11 07:39
S8	18	S7 and ("CSCF" or (call adj state adj control adj function))	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/11 07:39
S9	36	S6 and @ad< "20041021"	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/11 07:59
S10	76	S6 not S9	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/11 07:59
S11	262	handl\$5 near2 serv\$5 near2 fail\$5	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/11 16:52
S12	139	handl\$5 near2 serv\$5 adj2 fail\$5	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/11 16:54

## EAST Search History

S13	97	S12 and @ad< "20041021"	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/11 16:55
S14	2057321	"UE" or (user adj equipment) or (((mobile or wireless or portable or user or subscriber or hand\$held or cell or cellular or SIP) near2 (unit or phone or telephone or station or terminal or device or apparatus or equipment)) or pda or (personal near2 assistant) ) or laptop or "PC" or ((desktop or personal) adj computer)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/09/11 17:12
S15	72	S13 and S14	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/11 17:12
S16	9	(US-20050159156-\$ or US-20050111441-\$ or US-20030040280-\$ or US-20040185848-\$ or US-20050259683-\$ or US-20040019674-\$ or US-20050021840-\$).did. or (US-7149522-\$ or US-6885861-\$).did.	US-PGPUB; USPAT	OR	ON	2008/09/11 17:41
S17	12041346	(first adj network adj element) or "RNC" or ((base near2 station) or (access adj point) or node\$1B or nodeB or "AP" or "BS" or "BTS")	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/09/11 17:42
S18	78455	(serv\$5 adj network) or "CSCF" or (control adj state adj control adj function) or (serv\$5 adj node) or (serv\$5 adj "BS")	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/09/11 17:42
S19	6	S16 and S14 and S17 and S18	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/11 17:42
S20	1	"2003191831"	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/12 08:45
S21	5341151	Hu wei et "al."	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/12 08:46
S22	9	Hu adj wei adj et adj al	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/12 08:53
S23	1	"2003191831"	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/12 08:58
S24	2	("5917537").PN.	US-PGPUB; USPAT; DERWENT	OR	OFF	2008/09/12 08:58

## EAST Search History

S25	9	(US-20050159156-\$ or US-20050111441-\$ or US-20030040280-\$ or US-20040185848-\$ or US-20050259683-\$ or US-20040019674-\$ or US-20050021840-\$).did. or (US-7149522-\$ or US-6885861-\$).did.	US-PGPUB; USPAT	OR	ON	2008/09/12 11:20
S26	9	S25 and (error or fail\$5 or message)	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/12 11:21
S27	1	S26 and ((packet adj data adj protocol) or "PDP")	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/12 14:12
S28	2057321	"UE" or (user adj equipment) or (((mobile or wireless or portable or user or subscriber or hand\$held or cell or cellular or SIP) near2 (unit or phone or telephone or station or terminal or device or apparatus or equipment)) or pda or (personal near2 assistant) ) or laptop or "PC" or ((desktop or personal) adj computer)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/09/12 14:14
S29	12041346	(first adj network adj element) or "RNC" or ((base near2 station) or (access adj point) or node\$1B or nodeB or "AP" or "BS" or "BTS")	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/09/12 14:14
S30	78455	(serv\$5 adj network) or "CSCF" or (control adj state adj control adj function) or (serv\$5 adj node) or (serv\$5 adj "BS")	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/09/12 14:14
S31	41801	(servi\$7 near2 (error or fail\$6 or degrad\$5 or (out\$2of\$2servic\$5) or incorrect\$5 or crash\$3 or halt\$5 or disconnect\$5 or breakdown or discont\$7 or suspend\$5 or stop\$5 or outage))	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/12 14:14
S32	4613	S28 and S29 and S30 and S31	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/12 14:14
S33	112	S32 and ("CSCF" or (call adj state adj control adj function))	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/12 14:14
S34	21	S33 and ((packet adj data adj protocol) or "PDP")	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/12 14:14
S35	9	S25 and (content or determin\$5 or messag\$5 or predefin\$5)	US-PGPUB; USPAT	OR	ON	2008/09/12 14:49
S36	0	S25 and (content same determin\$5 same messag\$5 same predefin\$5)	US-PGPUB; USPAT	OR	ON	2008/09/12 14:50
S37	1	S25 and (content same determin\$5 same messag\$55)	US-PGPUB; USPAT	OR	ON	2008/09/12 14:50

## EAST Search History

S38	5	S25 and (content same messag\$5)	US-PGPUB; USPAT	OR	ON	2008/09/12 14:51
S39	1	S25 and (content same determin\$5)	US-PGPUB; USPAT	OR	ON	2008/09/12 14:52
S40	14	S33 and (content same determin\$5 same information)	US-PGPUB; USPAT	OR	ON	2008/09/12 14:56
S41	5	S33 and (content with determin\$5 with information)	US-PGPUB; USPAT	OR	ON	2008/09/12 14:58
S42	5	S33 and (content with determin\$5 with information same information)	US-PGPUB; USPAT	OR	ON	2008/09/12 15:20
S43	49	("CSCF" or (call adj state adj control adj function)) and (content with determin\$5 with information with information)	US-PGPUB; USPAT	OR	ON	2008/09/12 15:32
S44	16	S43 and @ad< "20041021"	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/12 15:32
S45	16	("CSCF" or (call adj state adj control adj function)) and (content with determin\$5 with information with message)	US-PGPUB; USPAT	OR	ON	2008/09/12 15:35
S46	5	S45 and @ad< "20041021"	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/12 15:36
S47	2	("CSCF" or (call adj state adj control adj function)) and (content with determin\$5 with information same message same predefin\$5)	US-PGPUB; USPAT	OR	ON	2008/09/12 15:42
S48	3	("CSCF" or (call adj state adj control adj function)) and (content same determin\$5 same information same message same predefin\$5)	US-PGPUB; USPAT	OR	ON	2008/09/12 15:43
S49	2	("CSCF" or (call adj state adj control adj function)) and ((type near message) same content same predefin\$5)	US-PGPUB; USPAT	OR	ON	2008/09/12 15:45
S50	23	("CSCF" or (call adj state adj control adj function)) and (predefin\$5 near2 message)	US-PGPUB; USPAT	OR	ON	2008/09/12 15:45
S51	2	("CSCF" or (call adj state adj control adj function)) and ((predefin\$5 near2 message) same determin\$5 same information)	US-PGPUB; USPAT	OR	ON	2008/09/12 15:47
S52	1	("CSCF" or (call adj state adj control adj function)) and ((predefin\$5 near2 information) same determin\$5 same (type near2 message))	US-PGPUB; USPAT	OR	ON	2008/09/12 15:49
S53	6	("CSCF" or (call adj state adj control adj function)) and ((predefin\$5 near2 information) same determin\$5)	US-PGPUB; USPAT	OR	ON	2008/09/12 15:49
S54	2	"20030040280"	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/12 15:52

## EAST Search History

S55	0	S54 and ("CSCF" or (call adj state adj control adj function)) and (predefin\$5 and information and determin\$5 and message)	US-PGPUB; USPAT	OR	ON	2008/09/12 15:53
S56	1	S54 and ("CSCF" or (call adj state adj control adj function)) and (predefin\$5 or information or determin\$5 or message)	US-PGPUB; USPAT	OR	ON	2008/09/12 15:54
S57	1	S54 and ("CSCF" or (call adj state adj control adj function)) and ((predefin\$5 or \$assign or \$identify) or information or determin\$5 or message)	US-PGPUB; USPAT	OR	ON	2008/09/12 16:06
S58	12058339	(first adj network adj element) or "RNC" or ((base near2 station) or (access adj point) or node\$1B or nodeB or "AP" or "BS" or "BTS")	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/09/15 07:53
S59	78491	(serv\$5 adj network) or "CSCF" or (control adj state adj control adj function) or (serv\$5 adj node) or (serv\$5 adj "BS")	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/09/15 07:53
S60	41814	(servi\$7 near2 (error or fail\$6 or degrad\$5 or (out\$2of\$2servic\$5) or incorrect\$5 or crash\$3 or halt\$5 or disconnect\$5 or breakdown or discont\$7 or suspend\$5 or stop\$5 or outage))	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 07:53
S61	2058853	"UE" or (user adj equipment) or (((mobile or wireless or portable or user or subscriber or hand\$held or cell or cellular or SIP) near2 (unit or phone or telephone or station or terminal or device or apparatus or equipment)) or pda or (personal near2 assistant) ) or laptop or "PC" or ((desktop or personal) adj computer)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/09/15 07:53
S62	4614	S61 and S58 AND S59 and S60	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 07:53
S63	110	S62 and ((typ\$3 near2 message) same content same information)	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 07:55
S64	1	S62 and ((typ\$3 near2 message) same content same (predefin\$5 near2 information))	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 07:55
S65	1	S62 and ((typ\$3 near2 message) same content with (predefin\$5 near2 information))	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 07:56
S66	5	S62 and ((typ\$3 near2 message) same content and (predefin\$5 near2 information))	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 07:56
S67	1	S62 and ((typ\$3 near2 message) same content same predefin\$5)	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 08:07

## EAST Search History

S68	266	S62 and ((typ\$3 near2 message) same content)	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 08:07
S69	110	S62 and ((typ\$3 near2 message) same content same information)	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 08:07
S70	3	((typ\$3 near2 message) same (content near5 predefin\$5 near2 information))	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 08:16
S71	1	((typ\$3 near2 message) same (content near5 predefin\$5 near2 information)) and (integrity near protect\$5)	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 08:21
S72	513	(typ\$3 near2 message) and (integrity near protect\$5)	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 08:24
S73	1	(typ\$3 near2 message) and (content near5 predefin\$5 near2 information) and (integrity near protect\$5)	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 08:24
S74	14	(typ\$3 near2 message) and (content near5 predefin\$5) and (integrity near protect\$5)	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 08:25
S75	1	(typ\$3 near2 message) and ((content near5 predefin\$5) same determin\$5) and (integrity near protect\$5)	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 11:32
S76	70	(typ\$3 near2 message) and ((content near5 predefin\$5) same determin\$5)	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 11:39
S77	12	S76 and ("455"/\$.ccls. or "370"/\$.ccls.)	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 11:43
S78	6	(typ\$3 near2 message) and ((content near5 predefin\$5 near10 informat\$5) same determin\$5)	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 11:50
S79	1	(typ\$3 near2 message) and ((content near5 predefin\$5 near10 informat\$5) same determin\$5) and (integrit\$5 near10 protect\$5)	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 11:56
S80	3	((content near5 predefin\$5 near10 informat\$5) same determin\$5) and (integrit\$5 near10 protect\$5)	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 11:57
S81	63	("CSCF" or (control adj state adj control adj function)) and (integrit\$5 near2 protect\$5)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/09/15 13:19
S82	1	("CSCF" or (control adj state adj control adj function)) and (integrit\$5 near2 protect\$5) and (content\$5 near2 predefin\$7)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/09/15 13:20

## EAST Search History

S83	1	("CSCF" or (control adj state adj control adj function)) and (integrit\$5 near2 protect\$5) and (content\$5 same predefin\$7)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/09/15 13:20
S84	36	("CSCF" or (control adj state adj control adj function)) and (integrit\$5 near2 protect\$5) and content\$5	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/09/15 13:20
S85	63	("CSCF" or (control adj state adj control adj function)) and (integrit\$5 near2 protect\$5)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/09/15 13:41
S86	27	S85 and @ad< "20041021"	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 13:42
S87	15	("CSCF" or (control adj state adj control adj function)) and (integrit\$5 near2 protect\$5) and (Authoriz\$7 near5 header)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2008/09/15 13:44
S88	8	S87 and @ad< "20041021"	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 13:45
S89	8	(US-20050097363-\$ or US-20050004968-\$ or US-20040225878-\$ or US-20040085949-\$ or US-20030229787-\$ or US-20030159067-\$).did. or (US-7421732-\$ or US-6788676-\$).did.	US-PGPUB; USPAT	OR	ON	2008/09/15 15:57
S90	6	S89 and bear\$5	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 15:57
S91	0	S89 and (bear\$5 near2 signal\$5)	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 15:58
S92	0	S89 and (bear\$5 same signal\$5)	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 15:58
S93	0	S86 and (bear\$5 same signal\$5)	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 15:58
S94	195	(bear\$5 near2 signal\$5) and ("PDP" or (Packet adj Data adj Protocol))	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 16:32
S95	141	S94 and @ad< "20041021"	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 16:32
S96	61	(bear\$5 near2 signal\$5) and ("PDP" or (Packet adj Data adj Protocol)) and ("IMS" or "CSCF")	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 16:33

## EAST Search History

S97	36	S96 and @ad< "20041021"	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 16:33
S98	60	(bear\$5 near2 signal\$5) and ("PDP" or (Packet adj Data adj Protocol)) and ("IMS" or "CSCF") and S61	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 16:36
S99	35	S98 and @ad< "20041021"	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 16:36
S10 0	170	(bear\$5 near2 signal\$5) and S62	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 16:41
S10 1	46	(bear\$5 near2 signal\$5) and (error near2 message) and S62	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 16:42
S10 2	5	((bear\$5 near2 signal\$5) same (error near2 message)) and S62	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 16:42
S10 3	0	((bear\$5 near2 signal\$5) same (error near2 message) same ("PDP" or (Packet adj Data adj Protocol))) and S62	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 16:49
S10 4	0	((bear\$5 near2 signal\$5) and (error near2 message) same ("PDP" or (Packet adj Data adj Protocol))) and S62	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 16:50
S10 5	1	((bear\$5 near2 signal\$5) and (error near2 message) and ("PDP" or (Packet adj Data adj Protocol))) and S62	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 16:50
S10 6	13	((bear\$5 near2 signal\$5) and (error near2 message) and ("PDP" or (Packet adj Data adj Protocol)))	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 16:51
S10 7	2	((bear\$5 near2 signal\$5) and (error near2 message) and ("PDP" or (Packet adj Data adj Protocol)) and ("CSCF" or (control adj state adj control adj function)))	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 16:56
S10 8	2	"20040185848"	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 18:06
S10 9	2	S108 and (user or "UE")	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 18:06
S11 0	1	S108 and ((user adj equip\$5) or "UE")	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 18:07
S11 1	1	S108 and ((user adj equip\$5) or "UE" or determin\$5 or (out\$of\$service) or select\$5)	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 18:09
S11 2	6462601	((user adj equip\$5) or "UE" or determin\$5 or (out\$of\$service) or select\$5)	US-PGPUB; USPAT; DERWENT	OR	ON	2008/09/15 18:31